

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-2. (Canceled)

3. (Currently Amended) A ~~droplet~~ discharging device according to claim 2, wherein said performing a micro-encapsulation process and a discharging process, comprising:

an oscillating body that generates a first vibrational energy of a first frequency in the micro-encapsulation process corresponding to the particle size of said microcapsule to be formed, and generates a second vibrational energy of a second frequency in the discharging process, a core material and a shell material being formed to a microcapsule in the micro-encapsulation process, the microcapsule being discharged in the discharging process, and the second frequency being lower than said first frequency for discharging droplets containing said microcapsule from said droplet discharging hole. ~~the first frequency.~~

4. (Currently Amended) A ~~droplet~~ discharging device according to claim 1, wherein said tank is disposed in the vicinity of a ~~droplet discharging hole, one of said oscillating bodies generates a first~~ performing a micro-encapsulation process and a discharging process, comprising:

a first oscillating body that generates a first vibrational energy with a ~~of a~~ frequency corresponding to the particle size of said microcapsule to be formed, in the micro-encapsulation process, a core material and a shell material being formed to a microcapsule in the micro-encapsulation process; and one of the other said oscillating bodies

a second oscillating body that generates a second vibrational energy with a ~~of a~~ second frequency in the discharging process, the microcapsule being discharged in the discharging process, the second frequency being lower than said first frequency for

~~discharging droplets containing said microcapsule from said droplet discharging hole.~~ the first frequency.

5. (Currently Amended) A ~~droplet~~ The discharging device according to claim 1, wherein ~~said claim 3, the~~ oscillating body includes at least one among including a piezoelectric material, an ~~oseillating~~ body driven by electrostatic force, or a micromotor material.

6. (Currently Amended) A ~~droplet~~ The discharging device according to claim 3, wherein ~~said the~~ first frequency is being an ultrasonic frequency of an inaudible range.

7. (Currently Amended) A ~~droplet~~ The discharging device according to claim 3, wherein the droplets containing ~~said microcapsule~~ are not able to move along the liquid flow path from ~~said tank to said~~ droplet discharging hole with the first vibrational energy of ~~said~~ first frequency, and ~~said droplets are able to move along~~ said liquid flow path with the second vibrational energy of ~~said second frequency.~~ further comprising:

a chamber that holds a liquid material, the liquid material including the core material and the shell material, the oscillating body being disposed on the chamber; and
a discharging hole that is connected to the chamber, the chamber discharging the microcapsule in the discharging process through the discharging hole.

8. (Currently Amended) A ~~droplet~~ The discharging device according to claim 1, wherein claim 7, further comprising:

a cooling means is provided to said that is disposed on at least one of the oscillating body or said tank and the chamber.

9. (Currently Amended) A ~~droplet~~ The discharging device according to claim 1, wherein ~~said tank is a compression chamber.~~ claim 4, further comprising:

a chamber that holds a liquid material, the liquid material including the core material and the shell material, the first oscillating body and the second oscillating body being disposed on the chamber; and

a discharging hole that is connected to the chamber, the chamber discharging the microcapsule in the discharging process through the discharging hole.

10. (Currently Amended) A droplet discharging device according to claim 2, wherein performing a micro-encapsulation process and a discharging process, comprising:

a tank that stores a liquid material, the liquid material including a core material and a shell material, the core material and the shell material being formed to a microcapsule in the micro-encapsulation process;

a discharging hole that connects to the tank, the tank discharging the liquid material in the discharging process; and

a negative pressure adjustment means for that connects to the tank, the negative pressure adjustment means setting the negative a first pressure within of the tank in the micro-encapsulation process is provided to said tank, and said negative a second pressure is raised or lowered in said micro-encapsulation process and said of the tank in the discharging process discharging process, the first pressure being lower than the second pressure.

11. (Canceled)

12. (Currently Amended) A manufacturing method of a microcapsule employing a droplet discharging device comprising a compressing chamber capable of temporarily storing a solution, and an oscillating body for applying pressure to this solution and moving it outside from said compression chamber, discharging a microcapsule, the method comprising:

a solution storing step for storing in said compression chamber a solution containing a core material to become the core of said microcapsule, a shell material to

become the shell, and a solvent; generating a first vibrational energy of a first frequency to an oscillating body, a core material being encapsulated with a shell material by the first vibrational energy to form the microcapsule; and

generating a second vibrational energy of a second frequency to the oscillating body to eject the microcapsule from a discharging hole,

a micro-encapsulation step for promoting the micronization of the core material within said compression chamber by generating in said oscillating body a vibrational energy of a ~~the second~~ frequency higher ~~being lower than the oscillation~~ ~~first~~ frequency for moving said solution outside, and generating a microcapsule in which said core material is encapsulated with said shell material; and ~~frequency~~.

a discharging step for generating in said oscillating body a vibrational energy of the oscillation frequency for discharging said solution outside, and discharging the solution containing said microcapsule outside from said compression chamber.

13. (Currently Amended) A manufacturing ~~The method of a microcapsule according to claim 11, wherein the particle size of said microcapsule is set by adjusting the frequency and vibrational energy of said oscillating body~~ claim 12, further comprising:

providing a liquid material to a chamber, the liquid material including the core material and the shell material, the oscillating body being disposed on the chamber, and the discharging hole being connected to the chamber.

14. (Currently Amended) A manufacturing method of discharging a microcapsule employing a droplet discharging device for discharging minute amounts of droplets containing a microcapsule composed from a minute core and a shell encapsulating said core, microcapsule, the method comprising:

~~a first step for storing in a first tank a solution containing providing a first liquid material in a first chamber, the first liquid material including a core material and a shell material of said microcapsule;~~

~~a second step for applying emulsification generating a first vibrational energy to the core material within said first tank with emulsification energy application means and emulsifying said core material, and promoting the micro encapsulation with said of a first frequency to a first oscillating body that is disposed on the first chamber, the core material being encapsulated with the shell material;material by the first vibrational energy to form the microcapsule;~~

~~a third step for storing in a providing a second tank a solution containing said generated liquid material in a second chamber, the second liquid material including the microcapsule; and~~

~~a fourth step for pressurizing the solution stored in said generating a second vibrational energy of a second tank with an second frequency to a second oscillating body and discharging said solution outside from a droplet to eject the microcapsule from a discharging hole;hole that connects the second chamber, the second oscillating body being disposed on the second chamber.~~

15. (Canceled)